



# आरत का राजपत्र

## The Gazette of India

प्राचिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 16]

मई रिली, पात्रिका, प्रमेज 19, 1969 (चैत्र 29, 1891)

No. 16]

NEW DELHI, SATURDAY, APRIL 19, 1969 (CHAITRA 29, 1891)

इस भाग में विभिन्न पृष्ठ संख्या की जाती है जिससे यह भलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बंधित अधिकाराएँ और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

##### Patents and Designs

Calcutta, the 19th April, 1969

##### SPECIAL NOTICE

In partial modification of the list of holidays to be observed in the Patent Office during the year 1969 notified in the Special Notice published in the Gazette of India, Part III, Section 2 dated the 28th December, 1968, the following amendments may be made:—

- (1) Delete "First Baisakhi—Monday, 14th April".
- (2) Insert "Buddha Purnima—Friday, 2nd May".

##### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

31st March 1969

120615. Mondi Pharma Establishment. Basic derivatives of 9-oxo-10-oxa-9 : 10-dihydro-anthracene and method for the preparation thereof.
120616. Mondi Pharma Establishment. Method for the preparation of basic derivatives of xanthone.
120617. The Dunlop Company Limited. Improvements in or relating to cords. (10th April 1968).
120618. Universal Oil Products Company. Process for reforming a gasoline fraction.
120619. Joseph Lucas (Industries) Limited. Lamp for road vehicles. (9th April 1968).
120620. Union Carbide Corporation. Improved nonwoven fabrics and process therefor.
120621. Gevaert-Agfa N. V. Processing device. (7th May 1968).
120622. Imperial Chemical Industries Limited. Production of bipyridylum salts and related compounds. (8th April 1968).

27GI/69

120623. Imperial Chemical Industries Limited. Catalytic process for the manufacture of pyridine and methyl-pyridines. (8th May 1968).
120624. E. R. Squibb & Sons., Inc. Preparation of steroids.
120625. Tractel Tirfor India Private Limited. Improvements in or relating to pulley block.
120626. Tractel Tirfor India Private Limited. Double acting hydraulic cable traction apparatus.
120627. Norton Company. Abrasive products and manufacture thereof.
120628. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Method for one-bath dyeing of blends consisting of synthetic and cellulose fibres.
120629. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-insoluble monoazo dyestuffs and process for preparing them.
120630. Indo Shipping Company. An exploder.
120631. Indo Shipping Company. Cable fault locators.
120632. Indo Shipping Company. Cable vulcanizer.
120633. Deere & Company. A seed selecting mechanism.
120634. Deere & Company. Improvements in or relating to agricultural equipment and more particularly to planters.
120635. Prof. M. A. Brahmanalkar. A provision to afford cleanliness during the use of chalk-sticks.
120636. T. N. Prasad. Automatic vending machine for milk and beverages in bottles and paper cups.
120637. Ciba Limited. Process for the manufacture of new amines.
120638. Merck & Co., Inc. Preparation of phosphonic acid compounds.
120639. Sandoz Ltd. Improvements in or relating to organic compounds. (2nd April 1968).
120640. The British Petroleum Company Limited. Compositions containing graphite. (2nd April 1968).

(147)

120641. The British Petroleum Company Limited. Solid compositions. (2nd April 1968).

120642. Teijin Limited. Method for measuring surface temperatures of synthetic yarn-heating rollers.

120643. Chemotronics, Incorporated. Process for the transient thermal treatment of a porous mass.

120644. Taylor Tobacco Enterprises, Inc. Process for curing tobacco.

120645. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Tridesoxypyranosides and process for their manufacture.

120646. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of allyl chloride or methallyl chloride.

120647. N. V. Philips' Gloeilampenfabrieken. Frequency selective active arrangements. (2nd April 1968).

120648. Mr. B. R. Chinai. Improvements in or relating to straps for chappals or like footwear and method of fixing such straps.

120649. Mr. B. R. Chinai. Improvements in or relating to one-piece foot bed insoles for moulded footwear.

120650. T. D. Rao. Improved grate floorings and device for manufacturing same and method of manufacturing such grate floorings.

120651. Hind Razor & Blade Co. Private Limited. The process of rhodium deposition on razor blades and its equipment.

120652. Hind Razor & Blade Co., Private Limited. The process of platinum deposition on razor blades and its equipment.

120653. P. Singh and G. K. Aggarwal. A method of transmitting T-V on short waves.

120654. K. S. G. Doss. Reheating of massecuites in the production of white or refined sugar.

120655. G. G. Deosthale. The enlargement and catching of and the show of images of positive copies of photos, prints, letters, other documents articles and objects on screens within limited spaces with clarity.

120656. V. Ranganathan. Aluminium oxide rectifier.

120657. F. Mohammad and I. Beg. Leak proof water tap without separate washer & valve.

1st April 1969

120658. Westinghouse Electric Corporation. Pressure electrical contact assembly for an electrical device and process of producing the same.

120659. Usv Pharmaceutical Corporation. Amphetamine derivatives.

120660. Imperial Chemical Industries Limited. Manufacture of bipyridylum salts and related compounds. (29th May 1968).

120661. Decca Limited. Improvements in and relating to infusion apparatus. (10th May 1968).

120662. Albiswerk Zurich A.—G. Improvements in or relating to radar tracking devices. (12th December 1968).

120663. Allied Chemical Corporation. Novel fluorine-containing aromatic compounds.

120664. Whittaker Corporation. Adherent coatings by immersion plating from non-aqueous solutions.

120665. United States Steel Corporation. Method and apparatus for ultrasonic thickness gaging of objects in non-normal alignment.

120666. American Home Products Corporation. Processes for preparing secosteriods. (12th July 1968).

120667. AMP Incorporated. Electrical terminal.

120668. Deere & Company. Discharge ducts for cotton harvester.

120669. Deere & Company. Seed conveyor.

120670. Preroske strojirny, norodni podnik. A rotary kiln.

120671. Institutul De Proiectari Instalatii Petroliere Ploesti. Process for continuous oxidation of asphalts.

120672. Merck & Co., Inc. Preparation of propenyl phosphonic acid esters.

120673. Merck & Co., Inc. Method of preparing phosphonic acid and derivatives thereof.

120674. Badische Anilin & Soda-Fabrik Aktiengesellschaft. Substituted thiocarbamates.

120675. Teijin Limited. Apparatus for detecting broken yarn in synthetic fiber spinning.

120676. Laporte Titanium Limited. Improvements in and relating to heating of gases. (3rd April 1968).

120677. E. K. Conradty, P. Conradty and C. Conradty. Electrodes.

120678. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of 1, 4-phenylene-bis-dithiocarbamic acid esters.

120679. Ciba Limited. Process for the manufacture of new thiazole derivatives.

120680. Ciba Limited. New adducts, containing epoxide groups, from polyepoxide compounds and mono-nuclear N-heterocyclic compounds, processes for their manufacture and use.

120681. N. V. Philips' Gloeilampenfabrieken. Flash-light unit.

120682. N. V. Philips' Gloeilampenfabrieken. Method of manufacturing a glass ceramic material which is resistant to sodium vapour.

120683. N. V. Philips' Gloeilampenfabrieken. Integrated semiconductor circuit.

120684. Fabriques Reunies De Lampes Electriques. Method of manufacturing a lamp vessel provided with at least one pinch seal and destined for an electric filament lamp, and product manufactured by said method.

2nd April 1969

120685. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the dyeing, padding and printing of synthetic fibers.

120686. Vyskumny ustav zuslechtovaci. Process and apparatus for wet treatment of permeable materials, more particularly textile fabrics in open width. [Addition to No. 100828].

120687. Institutul De Proiectari Instalatii Petroliere Ploesti. Method for heavy hydrocarbons conversion into fuel.

120688. Institutul De Proiectari Instalatii Petroliere Ploesti. Solvent extraction of oils from petroleum residual fractions.

120689. Institutul De Proiectari Instalatii Petroliere Ploesti. Oil fractions dewaxing method.

120690. Merck & Co., Inc. Preparation of phosphonic acid enantiomers.

120691. Merck & Co., Inc. Method of preparing phosphonic acid compounds.

120692. P. W. Zweegers. Apparatus for spreading of sowing granular or pulverulent material.

120693. Diamond Shamrock Corporation. Water-dispersible pesticide granules, their preparation and use.

120694. Energy Sciences, Inc. Streaming.

120695. Mefina S. A. Thread guide for a rotary-hook type sewing machine.

120696. Pioneer Oilsealing & Moulding Company Limited. Improvements in and relating to face seals.

120697. Albiswerk Zurich A.—G. Improvements in or relating to waveguide connectors. (14th January 1969).

120698. Albiswerk Zurich A.—G. Improvements in or relating to linear antenna arrays for very short electromagnetic waves. (14th January 1969).

120699. Imperial Chemical Industries Limited. Foamed thermoplastics.

120700. Joseph Lucas (Industries) Limited. Texting of voltage regulators. (15th January 1969).

120701. Union Carbide Corporation. Heat transfer process.

120702. Delalande S. A. Improvements in or relating to novel derivatives of N-(3, 4, 5-trimethoxy cinnamoyl) piprazine and their process of preparation. (3rd April 1968).

120703. S. Krishnakumar. Apparatus & method of testing presence of free water (In the micron range) in aviation turbine fuels.

3rd April 1969

120704. Council of Scientific & Industrial Research. Process for the preparation of potassium carbonate and N-K fertilizer using ion-exchange technique. [Addition to No. 108343].

120705. Council of Scientific and Industrial Research. Improved thin film thickness monitor with feedback network.

120706. Council of Scientific and Industrial Research. Improved thin film thickness monitor with superior pulse shaper.

120707. Hindustan Lever Limited. Detergent bar.

120708. Sandoz Ltd. Improvements in or relating to organic compounds. (5th April 1968).

120709. Merck & Co., Inc. Preparation of phosphonic acid derivatives.

120710. Merck & Co., Inc. Preparation of phosphonic acids.

120711. Aluminijumipari Tervezo Vallalat. Storage construction especially for storing agricultural products.

120712. Beecham Group Limited. Enzymes. (5th April 1968).

120713. Rheinstahl Huttenwerke Aktiengesellschaft. Superimposed systems transmission, more particularly for vehicles driven by internal combustion engines.

120714. Imperial Chemical Industries Limited. Manufacture of bipyridium salts and related compounds. (16th April 1968).

120715. The Goodyear Tire & Rubber Company. Improvements in process for polymerization of polyesters.

120716. Joseph Lucas (Industries) Limited. Vehicle lamps. (5th April 1968).

120717. Joseph Lucas (Industries) Limited. Ignition distributors. (5th April 1968).

120718. Girling Limited. Improvements in or relating to railway vehicle brakes. (11th April 1968).

120719. Imperial Chemical Industries Limited. Heterocyclic compounds. (16th April 1968).

120720. Rexall Drug and Chemical Company. Aerosol dispensing device.

120721. Tsentralny Nauchno-Issledovatel'sky Institut Chernoi Metallurgii Imeni Bardina. Method for making cast slabs of a low-carbon rimming steel.

120722. Institutul De Projectari Instalatii Petroliere Ploiesti. Oil extraction method with furfural as solvent.

120723. Dr. S. Bhagavantam. Volatile fungicidal compositions.

120724. The Director, Indian Institute of Science, Bangalore-12, India. Manufacture of hydrazine and its salts.

#### Alteration of Date

113678. The claim to priority date 21st December 1966 has been disallowed and the application dated as of 19th December 1967, the date of filing in India.

111099. The claim to priority date 15th June 1966 has been disallowed and the application dated as of 13th June 1967, the date of filing in India.

118677. Ante-dated to 27th June 1967 under Section 5 of the Act.

119557. Ante-dated to 13th June 1967 under Section 5 of the Act.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patent's office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8, Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown as in the following list.

If required typed copies of the specifications together with copies of drawings, if any can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

94047. Massey-Ferguson Inc. A method of and apparatus for producing hay wafers. Accepted on 1st April 1969.

*Compressing hay into and through successive die cells while communicating with said hay compression means to form extrusions of hay and successively heating them above 300°F and then cooling while confined within die cells.*

94303. Unilever Limited. Treatment of vegetables. (21st June 1963). Accepted on 27th March 1969.

*Comprising blanching them before removing from the pod.*

97498. A. E. Staley Manufacturing Company. Glucoamylase, a process for its preparation, and a process for the production of dextrose from the said glucoamylase. Accepted on 27th March 1969.

*Fermenting in nutrient medium Aspergillus phoenicis staley 298—150 (ATCC 15, 555).*

102450. Esso Research and Engineering Company. Biosynthesis process for proteins. Accepted on 27th March 1969.

*Cultivating micro organism like Pseudomonas ligustri on n-alkiphatic hydrocarbon feed medium at 20—55°C.*

106300. Corn Products Company. Process for the production of seasonings with a flavour similar to meat extract. Accepted on 27th March 1969.

*Comprising reacting a cysteine free amino acid a reducing sugar and a sulphonic acid component in aqueous medium.*

111038. A. D. Cruz. An improved self closing water tap and the like. Accepted on 12th March 1969.

*Comprises a barrel having in let end connected to a pipe, a water outlet, a piston housed in the said barrel a knob and a washer cum-filter disc.*

111099. Aktiebolaget Astra. Insect repellent compositions for the protection of people and animals from biting and blood sucking insects. Accepted on 13th March 1969.

*Containing as a methyl or ethyl cinchoninate, methyl or ethyl 3-methyl cinchoninate in admixture with a carrier, the carrier excluding water and common organic solvents, the compositions containing from 0.63 to 38.5% of the active substance.*

111210. N. V. Philips' Gloeilampenfabrieken. Improvements in the production of a silicon body containing arsenic. (24th June 1966). Accepted on 24th March 1969.

*Includes the steps of passing a siloxane and a volatile arsenic compound over a heated silicon body in the presence of oxygen.*

111256. W. T. Hough. Process and apparatus for extracting solvent from a solution. Accepted on 26th March 1969.

*Comprising (1) placing a first solution of an aqueous solvent and solute into intimate contact with a first side of a semi-permeable membrane (2) placing second solution of a solvent having non-volatile solute into intimate contact with the opposite second side of semi-permeable membrane, (3) passing water by osmosis, (4) withdrawing from contact atleast a portion of aqueous second solution.*

111261. Cominco Ltd. Process for the production of coloured coating on zinc or tin alloys. (11th July 1966). Accepted on 26th March 1969.  
*Coloured zinc coating formed by contacting molten zinc alloy coating composition with a free oxygen containing gas to form an oxide film.*

111289. E. I. du Pont de Nemours and Company. 3-(cycloalkylmethyl and cycloalkenylmethyl)-5-phenyltetrahydro-4H-1, 3, 5-oxadiazin-4-ones. Accepted on 27th March 1969.  
*Comprises treating a urea with a source of formaldehyde and an acid catalyst.*

111296. Ministerul Industriei Chimice. A composition for the growth and development of plants. Accepted on 27th March 1969.  
*Having as active principle salts or derivatives or cyclic derivatives of cysteine or homocysteine, in the form of powder or solution, together with a stabilizer.*

111372. Montecatini Edison S.p.A. and G. D. Varda. Method for producing shaped cryolitic material. Accepted on 2nd April 1969.  
*Comprising pouring a molten solution of cryolite, into a mold or form filled with powdery or sandy alumina, allowing molten cryolitic solution to solidify by cooling and then separating the shaped piece from the mold or form.*

111398. Bengal Coal Company Limited. System for hauling railway wagons particularly during loading. Accepted on 28th March 1969.  
*Comprises a guide track laid along the side of the rail track, a mule adapted to travel on guide track, means for causing the mule to travel on the guide track and a draw arm from the mule towards the rail track to hold the couplers.*

111399. Bengal Coal Company Limited. System for loading railway wagons. Accepted on 28th March 1969.  
*Comprises a conveyor belt with its upper end elevated, a hopper fed by the material from the conveyor belt, the hopper having bifurcated chute communicating with the hopper and a hinged flap within the hopper.*

111527. Halcon International, Inc. Oxidation of hydrocarbons in the liquid phase. Accepted on 31st March 1969.  
*Improvement comprises recovering from the reaction vapor mixture a fraction which is enriched in the oxidation product of the hydrocarbon.*

112279. United States Steel Corporation. Apparatus for determining carbon loss from a molten metal bath during refining thereof. Accepted on 31st March 1969.  
*Characterized by means for integrating with respect to time the difference between the rate of carbon input and the rate of carbon leaving the furnace, means to obtain and provide a second analog signal proportional to the metallic charge weight, means to receive said first and second signals and to compare same and to issue a digital signal proportional to the ratio of weight of carbon leaving the furnace to the metallic charge weight.*

112534. Metalastic Limited. Improvements in or relating to fluid springs. (13th October 1966). Accepted on 27th March 1969.  
*Comprising piston, cylinder, their walls toric ring, rolling diaphragm and their spring.*

112565. The English Electric Company Limited. Improvements in and relating to electrical protective relay circuits. (14th October 1966). Accepted on 28th March 1969.  
*Comprising a plurality of switching devices connected to corresponding one of a plurality of inputs, for effecting a protecting function when input signals are received within a predetermined time period determined by a timer.*

112578. Eli Lilly and Company. New herbicidal compositions. Accepted on 31st March 1969.  
*Comprises an active ingredient and a surfactant or a solid carrier.*

112600. The Dunlop Company Limited. Method of manufacturing shoe lining and article of footwear made therefrom. (13th October 1966). Accepted on 28th March 1969.  
*Suspending fibres in liquid placing in the liquid a last having an external configuration including the shape of the lining and having a series of apertures therein and drawing fibres on to the last.*

112622. Fibreglass Limited. An improved size applicator for manufacturing of glass filaments. Accepted on 28th March 1969.  
*Comprising container for size emulsion having inner and outer segment at one end for filaments to pass there through were in inner segment for flow of emulsion to coat filament and means to maintain steady flow;*

112678. H. K. Ahuja. Improvements in or relating to combined condensers for use with the delinter machines in the ginning and cotton seed processing factories, oil mills. Accepted on 1st April 1969.  
*Comprises an ordinary compressor being characterised in that the mesh roll is completely covered from all sides and the dust laden air is drawn out of the working room to prevent fouling.*

112731. The Fertilisers and Chemicals, Travancore Limited. A method of manufacturing dicalcium phosphate. Accepted on 31st March 1969.  
*By reacting monocalcium phosphate with calcium chloride and an alkali.*

112822. Chemiefaser Lenzing Aktiengesellschaft. Process for the production of foil ribbon fabrics. Accepted on 31st March 1969.  
*Characterised in that at least the foil ribbons constituting said warp elements are cut from monoaxially stretched foils.*

112892. Canadian Industries Limited. Melt explosive compositions. (28th October 1966). Accepted on 31st March 1969.  
*Comprises at least one inorganic oxygen supplying salt, a fuel and a lignosulphonate soluble in the melt.*

112931. Societe Belge De L'Azote Et Des Produits Chimiques Du Marly, S. A. Method for the production of concentrated nitric acid. Accepted on 28th March 1969.  
*Characterizes feeding nitric acid containing dissolved oxides of nitrogen into the top of a tower containing devices for a good gas liquid contact with air and/or oxygen in parallel flow and then this nitric acid is treated in counterflow with air for separation of the oxides.*

112934. B. P. Mathias. Improvements in or relating to grinding machines. Accepted on 31st March 1969.  
*Comprising a lower rotatable grinding stone located within a stationary lower casing, a stationary upper grinding stone secured within a stationary upper casing and suspended above the lower grinding stone, means for securing the lower casing to the upper casing and means for lowering or raising the upper grinding stone towards or away from the lower grinding stone.*

112937. J. P. Brenot. Method for preparing active manganese dioxide. Accepted on 28th March 1969.

*Includes a stage of oxidation of sub oxide by an oxidizing, hydrolyzing and hydroxylating reagent while adjusting the oxidation reduction potential of the reaction in accordance with the amount of oxidation, of hydroxylating, and of the hydration required for the final manganese dioxide.*

112946. Council of Scientific and Industrial Research. Process for the calcium fortification of crystalline common salt. Accepted on 2nd April 1969.

*Comprises in adding suitable salt of calcium to the brine, concentrating the brine and collecting the salt in the usual way.*

113028. Dorr-Oliver Incorporated. Phosphoric acid production. Accepted on 31st March 1969.

*Characterized by initially acidulating with phosphoric acid, further acidulating the thus produced slurry in a second treatment zone wherein the sulphate ion concentration is in excess of the amount necessary to stoichiometrically react with the available calcium and maintained in the range from 3 to 6% by weight to precipitate all the calcium as calcium sulphate semi-hydrate and separating the thus produced acid.*

113348. Veb Gerate-Und Regler-Werke Teltow. Device for converting mechanical forces into proportional pneumatic pressure quantities. (30th August 1967). Accepted on 28th March 1969.

*Wherein two plates movable relative to each others have on their mutually facing surfaces dish-shaped, machined out portions, the stationary plate has the necessary communication orifices to the cascade space formed by the machined-out portions and the variable gap between the plates forms the discharge throttle controlled by the measured quantity of force P by means of the plate arranged on the lever.*

113425. Phillips Petroleum Company. Process and apparatus for producing carbon black and carbon black produced therefrom. Accepted on 31st March 1969.

*Comprising introducing a first stream of a free oxygen-containing gas tangentially into the upstream end portion, introducing a stream of hydrocarbon feedstock axially into the first zone, partially burning a portion of the feedstock under carbon black-producing conditions and recovering carbon black product.*

113428. Zavod "Uralelektrolyazhmarsh". High-speed air circuit breaker. Accepted on 28th March 1969.

*Characterised in that the longitudinal inner barriers of the arc chute are V shaped and their base and the sides being fitted with magnetic circuits.*

113432. Ciba Limited. Process for the manufacture of 4, 4'-diamino-1, 1'-dianthraquinonyl-3, 3'-disulphonic acid. Accepted on 31st March 1969.

*Comprises heating 1-amino-4-halogenanthraquinone-2-sulfonic acid with a reducing agent in the presence of copper or copper compound.*

113485. Metalastik Limited. Improvements in or relating to flexible transmission couplings. (14th December 1966). Accepted on 1st April 1969.

*The rubber spring means incorporate a number of flat interleaves the anchoring means of one of said interleaves permitting limited movement thereof in circumferential direction.*

113678. Imperial Chemical Industries Limited. Heat-treatment of steel. Accepted on 27th March 1969.

*Carburizing a surface layer of steel to a depth of 0.005 inch by immersing the steel in carburizing medium at 800-950°C, then soaking hot steel in molten salt bath at 700-770°C and containing at least 5% by weight of alkali metal cyanate.*

113785. U. S. Industries, Inc. Transmissions. Accepted on 28th March 1969.

*A novel transmission for heavy machinery, which is in the form of an accessory such machinery, and which may be quickly and easily removed and replaced.*

113802. Dr. K. C. Shah. Family planning pessary and introducer instrument. Accepted on 25th March 1969.

*Comprising two arms a stem, two nylon threads, are having bulbous portion at the end and the introducer having two parts.*

113879. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for fixing reactive dyestuffs on textile materials made of native or regenerated cellulose. Accepted on 31st March 1969.

*Comprising printing a paste containing thickening agent organic dyestuff having nucleophilic group and an organic compound containing two reactive groups and impregnating with alkali metal silicate.*

113882. Owens Corning Fiberglas Corporation. Hollow body for containing fluids, more particularly storage vessel, and method of producing the same. Accepted on 31st March 1969.

*A novel hollow body for containing fluids, and particularly a storage vessel for use as an underground gasoline storage tank under all earth conditions.*

113952. The Goodyear Tire & Rubber Company. Process for polymerizing 2-alkyl-1, 3-butadiene to form cis 1, 4-poly-2-alkyl-1, 3-butadiene polymer. Accepted on 3rd April 1969.

*Which comprises contacting or 2-alkyl-1, 3-butadiene with a catalyst system under polymerization conditions.*

113956. Societe Anonyme Fonderies Magotteaux. Balls and lining plates for grinding mills or other castings. Accepted on 2nd April 1969.

*Characterised by a martensitic solid solution, without pearlite, containing less than 3% residual austenite, and eutectic and pro-eutectoidic carbides.*

114204. The Goodyear Tire & Rubber Company. Improvements in diolefin polymerization and catalyst composition therefor. Accepted on 1st April 1969.

*Process for polymerisation of butadiene and butadienes with other diolefins to form polymers containing more than 90% of the butadiene units comprising contacting at least one diolefin under polymerization conditions with a catalyst comprising (1) one organo metallic compound (2) hydrogen fluoride (3) at least one organo nickel compound.*

114314. Montecatini Edison S.p.A. and G. D. Varda. Improvement in or relating to electrolysis furnaces, remelting and other similar furnaces, containing molten metals, alone or together with molten salts. Accepted on 31st March 1969.

*Vats are provided with protective layers of silicon carbide in an incoherent state placed between layers of construction materials.*

114322. Fmc Corporation. A water-insoluble water-dispersible cellulose powder and a method of producing the same. Accepted on 31st March 1969.

*Intimate mixture 85-95 parts of disintegrated  $\beta$ -1, 4-glucan-containing material 15-5 parts of sodium carboxymethyl cellulose characterised in having degree of substitution of 0.75+0.15 and forming in water stable thixotropic gel.*

114444. Hindustan Lever Limited. Synthetic detergent-soap toilet tablet. (16th February 1967). Accepted on 31st March 1969.

114468. Farbenfabriken Bayer Aktiengesellschaft and Compagnie De Saint-Gobain. Process for repressing sheets and foils of thermoplastic synthetic material. Accepted on 2nd April 1969.  
*Releasing the plastics sheets or foils in the course of cooling already shortly after the temperature has fallen below the solidification temperature.*

114508. Farbenfabriken Bayer Aktiengesellschaft. Poly-1, 3-benzoxazine-2, 4-dione electric insulating films. Accepted on 28th March 1969.  
*Obtained by casting a solution of said poly 1, 3-benzoxazine-2, 4, dione in an inert organic solvent to form a film, drying and stretching said film to atleast twice its original length.*

114509. Farbenfabriken Bayer Aktiengesellschaft. Chlorinated homo-and copolymers of ethylene. Accepted on 2nd April 1969.  
*Wherein the polymer is dissolved in an organic solvent and treated with elementary chlorine and simultaneously with elementary oxygen in the presence of actinic light or known rad.cal formers.*

114576. Glanzstoff A. G. Process for purifying trithiane. (8th December 1967). Accepted on 2nd April 1969.  
*Characterises in dissolving the trithiane in water at a temperature of between 170 and 210°C at the saturated steam pressure level.*

114863. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Epoxy cellular plastics and process for preparing them. Accepted on 31st March 1969.  
*Polymerizing epoxy resins in the presence of pore-regulating agents blowing agents, polyhydric aliphatic or cycloaliphatic alcohols and lewis acid.*

114905. Phillips Petroleum Company. Olefin conversion and catalyst therefor. Accepted on 1st April 1969.  
*An olefin reaction process which comprises contacting at least one mono olefin having from 3 to 20 carbon atoms per molecule or mixtures of said mono olefins and ethylene with a catalyst comprising silica, thoria, zirconia, zirconium phosphate, aluminium phosphatic etc, at a temperature of from 400° to 1200°F for obtaining an olefin reaction product.*

114925. Council of Scientific and Industrial Research. Coal modified tar binders for road construction works. Accepted on 31st March 1969.  
*Characterizes in adding bituminous coal powder reacted with ferric chloride to the crude tar and dispersing the same with heat.*

114961. L'Air Liquide, Societe Anonyme Pour L'Etude Et L'Exploitation Des Procedes Georges Claude. Indirect heat exchange apparatus. Accepted on 31st March 1969.  
*Characterized in that the nests of tubes in which the gaseous mixture circulates during fractionated condensation open on to the walls of the separators which serve the purpose of headers.*

114989. Werkzeugmaschinenfabrik Oerlikon Bührle & Co. Jacquard machine with electromagnetically controlled healds. Accepted on 1st April 1969.  
*Characterised in that when the electromagnet is not energised, the path of movement of stop is out of range of the holding member and when it is energised the stop in the form of an armature is pulled within range of the knife.*

115175. Skill Products. Improvements in or relating to attachments for buttons of dresses. Accepted on 28th March 1969.

115444. The Dunlop Company Limited. Improvements in or relating to pneumatic tyres. (21st April 1967). Accepted on 1st April 1969.  
*Some at least of which are provided with channel portions of substantially increased relative width at or adjacent groove base.*

115490. J. S. Stahl. Method of making an insulated core building panel. Accepted on 3rd April 1969.  
*Comprising the steps of applying liquid resin to a first flat supporting film, moving the film to a heating table, applying liquid resin to a second flat supporting film, introducing first and second films into a forming press in spaced oppositely disposed relation with the supporting films on the outer surface.*

115506. Imperial Chemical Industries Limited. Heat-treatment of steel. (28th April 1967). [Addition to No. 113678]. Accepted on 28th March 1969.  
*Heating the steel into its austenitising range in a heating medium which is noncarburising towards the steel, soaking the hot steel in a molten salt bath at a temperature of 700—770°C and containing at least 5% by weight of alkali metal cyanate calculated as NaCCNO for at least 3 minutes, and then cooling rapidly.*

115614. Farbenfabriken Bayer Aktiengesellschaft. Dip-and spray-coating of objects of metal, ceramics, glass, plastics and wood. Accepted on 2nd April 1969.  
*By whirl sintering and flame spraying and by electrostatic coating process using a powdered plastics material.*

115663. Westinghouse Electric Corporation. Method of bacterially decomposing refuse material to a soil nutrient. Accepted on 31st March 1969.  
*Characterized in that a portion of the refuse material of the second stage digester device containing large amount of bacteria is returned to and mixed with the refuse material loaded on the first stage digester device.*

115818. Instrumentation Limited. Improvements in or relating to an instrument for instant temperature measurement of molten metal. Accepted on 1st April 1969.  
*A thermocouple hot junction embedded in a fused quartz tube which is enclosed by a fusible cap, the quartz tube being embedded in a refractory cement plug desirably enclosed in a plastic housing.*

116258. Swift & Co. Soybean beverage preparation. Accepted on 31st March 1969.  
*Mixing and boiling soybean material in a solution of milk material and grinding the mixture to a smooth liquid constituency.*

116284. K. P. Bhave and V. N. Morgaonkar. An improved apparatus for protecting three phase operated electrical equipment from single phasing. Accepted on 28th March 1969.  
*Characterised in that a dynamic unbalance sensing transformer comprising one three phase or three single phase transformer is provided the secondary/secondaries of which are connected in series and its voltage applied to a relay.*

116470. Werkzeugmaschinenfabrik Oerlikon Bührle & Co. Device for resuming weaving on a wave weaving loom. Accepted on 1st April 1969.  
*Characterised by members connected to feed roll and drive members to control the speed of the latter depending on the speed of rotation of the feed roll.*

117779. F. L. Smith & Co., A/S. Rotary kilns with cooler tubes. (22nd September 1967). Accepted on 31st March 1969.

*A rotary kiln which has a number of cylindrical cooler tubes mounted in a planetary fashion around the outlet end of the kiln with their axes parallel or substantially parallel to the axis of the kiln, the inlet end of each cooler tube being connected to an outlet of the rotary kiln by a supply chute.*

117905. Brownbuilt Limited. Improvements in and relating to sheet structural members. Accepted on 1st April 1969.

*Substantially transverse integral beam structures provided on the pan section withstand and transfer loads on the pan section to the ribs extending along longitudinal edges.*

118056. Pilkington Brothers Limited. Improvements in or relating to the manufacture of flat glass. [23rd October 1967]. Accepted on 31st March 1969.

*Method and apparatus for production of glass having a concentrated metallic surface finish for mirrors and heat reflecting glass.*

118677. E. I. Du Pont De Nemours and Company. A herbicidal composition comprising 3-(cycloalkylmethyl and cycloalkenylmethyl)-5-phenyltetrahydro-4H-1, 3, 5-oxadiazin-4-ones. [Divisional date 27th June 1967]. Accepted on 27th March 1969.

*Comprising a known inert carrier or diluent and as active material at least a 3-cyclo alkylmethyl and cycloalkenyl methyl-5-phenyl tetrahydro-4H-1, 3, 5-oxadiazin-4-ones.*

119557. Aktiebolaget Astra. Process for the preparation of compounds effective for the protection of people and animals from ovipositing, biting and blood sucking insects. [Divisional date 13th June 1967]. Accepted on 13th March 1969.

*By reacting cinchonimic acid in a butanol.*

#### Opposition Proceeding

An opposition has been entered by Delipbhai Champaklal Shah to the grant of a patent on application No. 107841, made by Manindra Nath Sanyal & others.

#### Appeal Proceedings

##### (Section 5)

An appeal to the Central Government has been filed by Esso Research and Engineering Company under Section 5 of the Indian Patents and Designs Act, 1911 in respect of application for a patent numbered 89880.

#### Patents Sealed

78611. 79386. 84447. 85708. 99241. 103811. 105306. 105482. 105501. 106038. 106746. 106783. 106825. 106832. 107261. 107361. 107535. 107592. 107815. 107974. 108151. 108165. 108294. 108321. 108402. 108523. 108532. 108575. 108981. 109211. 109316. 109403. 109464. 110385. 110950. 110967. 111022. 111097. 111100. 111206. 111458. 111545. 111775. 111873. 112252. 112538. 112646. 113047. 113085.

#### Renewal Fees Paid

51724. 51985. 51986. 53678. 54082. 54239. 54261. 54750. 54798. 55198. 55487. 56543. 56686. 56991. 57060. 57094. 57095. 57115. 57190. 57389. 57679. 57688. 57689. 58219. 58380. 60065. 60069. 60070. 60073. 60088. 60125. 60180. 60214. 60215. 60228. 60246. 60268. 60285. 60302. 60310. 60311. 60748. 61341. 61354. 61572. 61657. 63623. 63635. 63664. 63713. 63761. 63762. 63763. 63766. 63835. 63867. 64042. 64255. 64269. 64422. 66101. 67195. 67257. 67311. 67318. 67437. 67463. 67523. 67589. 67590. 67650. 67876. 67877. 67920. 68023. 68089. 68833. 68958. 69373. 69420. 69828. 71056. 71294. 71324. 71361. 71416. 71447. 71449. 71490. 71497. 71504. 71505. 71541. 71558. 71561. 71629. 71638. 71646. 71810. 71843. 71961. 71993. 71994. 72094. 72138. 73254. 73615. 75790. 75902. 76082. 76097. 76107. 76109. 76157. 76164. 76177. 76174. 76176. 76191. 76192. 76217. 76221. 76245. 76259. 76364. 76379. 76385. 76400. 76453. 76454. 76505. 76510. 76511. 76556. 76572. 76596.

76603. 76616. 76687. 76700. 76736. 76737. 76842. 76844. 76861. 76873. 76914. 76915. 76954. 76986. 77255. 77362. 77857. 78939. 79572. 80233. 81567. 81588. 81589. 81690. 81716. 81730. 81782. 81783. 81787. 81817. 81846. 81863. 81888. 81911. 81931. 81991. 82113. 82161. 82210. 82211. 82268. 82291. 82339. 82340. 82359. 82367. 82512. 82591. 82627. 82806. 82884. 82949. 83202. 83464. 86119. 87253. 87267. 87270. 87316. 87323. 87345. 87365. 87400. 87402. 87477. 87478. 87515. 87521. 87602. 87605. 87638. 87650. 87676. 87685. 87699. 87708. 87765. 87781. 87836. 87852. 87927. 87960. 87961. 88026. 88049. 88094. 88095. 88183. 88227. 88228. 88285. 88340. 88341. 88470. 88641. 88683. 89572. 92511. 93094. 93096. 93108. 93115. 93156. 93168. 93169. 93192. 93203. 93220. 93234. 93245. 93289. 93341. 93345. 93353. 93375. 93400. 93420. 93485. 93524. 93622. 93644. 93674. 93737. 93830. 93840. 93841. 93870. 94014. 94115. 94123. 94172. 94212. 94258. 94272. 94450. 94552. 94553. 98657. 98693. 98791. 98797. 98798. 98800. 98837. 98880. 98892. 98893. 98906. 98917. 98918. 98934. 98977. 98978. 98989. 98990. 99010. 99026. 99042. 99059. 99082. 99088. 99092. 99093. 99094. 99098. 99153. 99188. 99197. 99251. 99271. 99300. 99309. 99326. 99327. 99328. 99329. 99346. 99379. 99459. 99483. 99526. 99564. 99692. 99788. 99789. 99809. 99947. 100027. 100046. 100165. 104660. 104723. 104753.

#### Cessation of Patents

61678. 61694. 61701. 87884.

#### Restoration Proceedings

##### (1)

An order has been made on the 21st March 1969, restoring the patent No. 62437, granted to Dwarkadas Purushotum Asar for "venetian blinds".

##### (2)

An order has been made on the 14th March 1969 restoring the patent No. 90597 dated as of the 4th November 1963, granted to Champion Spark Plug Company for "method of accurately producing an abrasive surface of revolution".

##### (3)

An order has been made on the 14th March 1969 restoring the patent No. 100014 dated as of the 4th November 1963, granted to Champion Spark Plug Company for "process of bonding hard abrasive particles to a supporting body".

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 1. No. 134549. Bhubaneswar Barthakur, Uzan Bazar, Gauhati, Assam, India, An Indian National, "Conical screen for grain polisher", September 17, 1968.

Class 1. No. 134577. Fakhruddin Allibhai, 96, Tank Pakhadi Road Naka, Behind Ahmed Building, Rippon Road, Bombay-11. State of Maharashtra, an Indian Subject, "Umbrella's cup", September 23, 1968.

Class 1. No. 134858. Nirman Industries, 109, Nirankari Colony, Delhi, Indian Partnership firm, "Lock", 19, November 1968.

Class 1. No. 135015. Martin Burn Limited, an Indian Limited Company, 12, Mission Row, Calcutta-1, West Bengal, "Valve for liquid petroleum gas", December 30, 1968.

Class 3. No. 134417. Shri Parashuram Ganpat Herekar, 510, Budhwar Peth, Poona-2, Maharashtra State, India, Nationality-Indian, "Toy", August 24, 1968.

Class 3. No. 134571, Bulbul Namal Shah, an Indian national 13, Lake Avenue, Calcutta-26, West Bengal, India, "Ammeter box", September 21, 1968.

Class 3. No. 134857. Philips India Limited, 7, Justice Chandra Madhab Road, Calcutta 20, India, an Indian Company, "A light fitting", November 19, 1968.

Class 3. No. 134883. Ravi Prakash, 8, Tamarind Lane, Bombay-1, State of Maharashtra, India, an Indian National, "The cap of a container", November 30, 1968.

Class 3. Nos. 135177 to 135181. Tolbro International, an Indian Partnership firm, 4, Wilson Road, Ballard Estate, Bombay-1, (Maharashtra), "Comb", January 20, 1969.

Class 3. No. 135182. Tolbro International, an Indian Partnership Firm, 4, Wilson Road, Ballard Estate, Bombay-1, (Maharashtra), "Hair roller", January 20, 1969.

Class 3. No. 135188. Philips India Limited, 7, Justice Chandra Madhab Road, Calcutta-20, West Bengal, India, an Indian Company, "A lampholder", January 21, 1969.

Class 3. No. 135223. Ram Jamnadas Punjabi, An Indian Citizen, 19, Sainath Road, Malad (East), Bombay-64, Maharashtra, India, "Card tray", January 27, 1969.

Class 3. Nos. 135234 and 135235. Bata Shoe Company Private Limited, a private limited company incorporated under the Indian Companies Act, 30, Shakespeare Sarani in the town of Calcutta, West Bengal, "A sole for footwear", January 29, 1969.

Class 4. No. 134757. American Home Products Corporation, organised under the laws of the State of Delaware, U.S.A. having their registered office at 685 Third Avenue, New York, U.S.A. "Bottles", October 28, 1968.

Class 4. No. 134865. Devinder Kumar Saini, care of Rai Brothers, Railway Road, Hoshiarpur, Punjab State, nationality Indian, "Fuse unit", November 25, 1968.

Class 10. No. 135236. Bata Shoe Company Private Limited, a private limited company incorporated under the Indian Companies Act, 30, Shakespeare Sarani in the town of Calcutta, West Bengal, "Footwear", January 29, 1969.

*COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS*

Design Nos. 120273 and 120274 Class-1.

S. VEDARAMAN,  
Controller General of Patents,  
Designs and Trade Marks.